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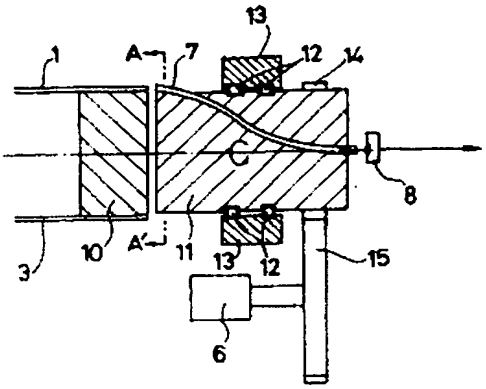
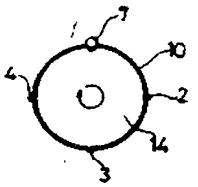
TITLE : SCANNER FOR OPTICAL FIBER





ABSTRACT : PURPOSE: To make the position adjustment between optical fibers simpler by providing an optical fiber in the specified structure on a rotary drum and installing plural optical fibers on the concentrical circle on a stationary support base with the axis of the rotary drum as a center.

CONSTITUTION: One end of an optical fiber 7 is installed on the circumference of a cylindrical rotary drum 11 and the other end of the optical fiber 7 is installed on the rotating axis of said rotary drum 11. Optical fibers 1, 2, 3, 4 are installed in the equidistant positions on the concentrical circle equal to the radius of the rotary drum 11 with its rotating axis as a center, on a cylindrical stationary support base 10. Hence, along with the rotation of the rotary drum 11, the end face of the optical fiber 7 subsequently opposes to the optical fibers 1, 2, 3, 4 installed on the circumference of the stationary support base 10 to receive their light signals as the time- series signals. Then, said signals are converted to an electrical time-series signals by a photo-electric transducer 8. In this way, the position adjustment between the optical fibers may be made simpler.